

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
7604/27

In Re Application Of: Kunhardt, et al.

Serial No.  
09/381,328

Filing Date  
03/17/98

Examiner

Group Art Unit  
5071

Title: **METHOD AND APPARATUS FOR SUPPRESSION OF THE GLOW-TO-ARC TRANSITION IN GLOW DISCHARGES**

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(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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*Signature*

Michael R. Friscia  
Registration No. 33,884  
Wolff & Samson  
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Michael R. Friscia

*Typed or Printed Name of Person Mailing Correspondence*

Dated:

11/15/00

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In Re Application Of: Kunhardt, et al.

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Examiner

Group Art Unit

Title: Method and Apparatus for Suppression of the Glow-to-Arc Transition in Glow Discharges

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Address to:  
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Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR
- ☒ the fee set forth in 37 CFR 1.17(p).

P10A/REV02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 7604/27

In re Application of: Kunhardt, et al.

Filed: 03/17/98

Serial No.: 09/381,328

For: Method and Apparatus for Suppression of the Glow-to-Arc Transition in Glow Discharges

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.56, Applicant submits herewith patents, publications or other information of which they are aware, listed on form PTO-1449, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose. Legible copies of all items listed on form PTO-1449 accompany this information disclosure statement.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

The person making this statement is the attorney for Applicant who signs below.

Date: 11/15/02

  
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647617

# **INFORMATION DISCLOSURE CITATION** (Use several sheets if necessary)

Docket Number (Optional)

7604/3

Application Number

09/381,328

Applicant(s)

Kunhardt, et al.

Filing Date

03/17/98

Group Art Unit

5071

## **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,414,324	05/09/95	Roth, et al.	315	11.21	10/29/93
		5,387,842	02/07/95	Roth, et al.	315	11.21	05/28/93
		4,698,551	10/06/87	Hoag	313	619	03/20/86
		3,914,942	10/21/75	Coderre, et al.	313	514	05/17/73
		3,821,588	06/28/74	Przybylek	313	220	03/08/73

## **FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

## **OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	Akshay, et al., "Numerical Simulation and Experimental Study of an Atmospheric-Pressure Direct-Current Glow Discharge," Plasma Physics Reports, Vol. 20 No. 6, 1994, pp. 511-524
	Akiyama, et al., "Suppression of Glow-to-Arc Transition in Atmospheric Pressure Gas Discharge of TEA CO2 Laser by High Frequency Corona Discharges," The Institute of Physics, 1984
	Kanazawa, et al., "Glow Plasma Treatment at Atmospheric Pressure for Surface Modification and Film Deposition," Nuclear Instruments and Methods in Physics Research B37/38 (1989), pp. 842-845
	Kogoma, et al., "Raising of Ozone Formation Efficiency in a Homogeneous Glow Discharge Plasma at Atmospheric Pressure," J. Phys. D: Appl. Phys. 27 (1994) pp. 1985-1987

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

### INFORMATION DISCLOSURE CITATION

*(Use several sheets if necessary)*

*(Use several sheets if necessary)*

**Docket Number (Optional)**

7604/2

Application Number

**09/381.328**

**Applicant(s)**

Kunhardt, et al

**Filing Date**

03/17/98

## Group Art Unit

5071

<b>*EXAMINER INITIAL</b>	<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>
	Okazaki, et al., "Appearance of Stable Glow Discharge in Air, Argon, Oxygen and Nitrogen at Atmospheric Pressure Using a 50 Hz Source," J. Phys. D: Appl. Phys. 26 (1993), pp. 889-892
	Yokoyama, et al., "The Improvement of the Atmospheric Pressure Glow Plasma Method and the Deposition of Organic Films," J. Phys. D: Appl. Phys. 23 (1990) pp. 374-377
	Yokoyama, et al., " The Mechanism of the Stabilisation of Glow Plasma at Atmospheric Pressure," 1990, pp. 1125-1128
<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
<b>*EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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**SHEET.**

**OF**

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Group Art Unit

Method and Apparatus for Supression of the Glow-to-Arc Transition in Glow Discharges

**Payment of Fee**

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Michael R. Friscia

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Dated: 3/26/02

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cc:

P16A REV02

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Applicant(s) <b>Kunhardt, et al.</b>	
Filing Date <b>12/27/99</b>	Group Art Unit

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	<b>77 06112</b>	<b>03/02/77</b>	<b>France</b>			<input checked="" type="checkbox"/>	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).



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